

(19)



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) Publication number:

0 542 298 A3

(12)

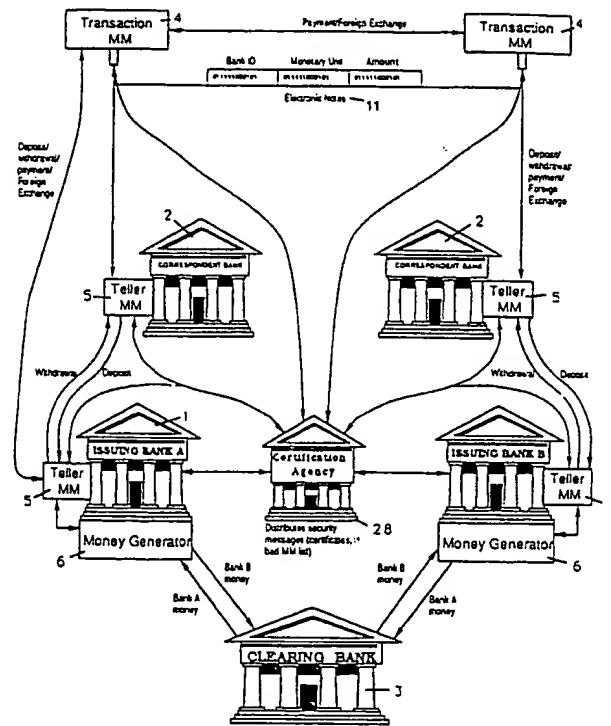
EUROPEAN PATENT APPLICATION(21) Application number: **92119461.9**(51) Int. Cl.⁵: **G07F 7/10, G06F 15/30**(22) Date of filing: **13.11.92**(30) Priority: **15.11.91 US 794112**(43) Date of publication of application:
19.05.93 Bulletin 93/20(84) Designated Contracting States:
**AT BE CH DE DK ES FR GB GR IE IT LI LU MC
NL PT SE**(68) Date of deferred publication of the search report:
23.11.94 Bulletin 94/47(71) Applicant: **CITIBANK, N.A.**
399 Park Avenue
New York, New York 10043 (US)(72) Inventor: **Rosen, Sholom S.**
10 West 86th Street, Apt. 7A
NY-New York 10024 (US)(74) Representative: **Baillie, Iain Cameron et al**
c/o Ladas & Parry
Althelmer Eck 2
D-80331 München (DE)(54) **Electronic monetary system.**

(57) An improved monetary system using electronic media to exchange economic value securely and reliably. The invention provides a complete monetary system having electronic money that is interchangeable with conventional paper money comprising (1) issuing banks or financial institutions that are coupled to a money generator device for generating and issuing to subscribing customers electronic currency backed by demand deposits electronic credit authorizations; (2) correspondent banks that accept and distribute the electronic money; (3) a plurality of transaction devices that are used by subscribers for

storing electronic money, for performing money transactions with the on-line systems of the participating banks or for exchanging electronic money with other like transaction devices; (4) automated teller devices, associated with the issuing and correspondent banks, for process handling and interfacing the transaction devices to the issuing and correspondent banks, and for interfacing between the issuing and correspondent banks themselves; and (5) a clearing bank for balancing the electronic money accounts of the different issuing banks (6).

EP 0 542 298 A3

FIG. 1





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 92 11 9461

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
X	US-A-4 625 276 (W.M. BENTON)	1,2,5,7, 12,18, 19, 26-29, 32-34, 36,49,50	G06F17/60 G07F7/10 G06F15/30
A	* abstract; claims; figures 1-5 * * column 2, line 32 - column 8, line 2 * * column 31, line 35 - line 64 *	3,4,15, 16, 21-23, 30,31, 38,40, 45-47, 52-55, 59,62	
X	WO-A-91 16691 (JONHIG)	1-4,7, 9-12, 16-19, 25-29, 31-34, 36, 38-40, 42-44, 46,47, 49,50, 52,55,58	TECHNICAL FIELDS SEARCHED (Int.Cl.5) G06F G07F G06K
A	* abstract; claims; figures * * page 9, line 32 - page 15, line 2 * --- -/--	5,15,22, 45,53, 54,59, 62,65	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 September 1994	Examiner David, J
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 92 11 9461

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
X	EP-A-0 421 808 (A.P. MANSVELT)	1-5, 7, 16, 20-22, 25-34, 36, 38, 46-50, 52, 54, 55, 57, 59, 62	
A	* the whole document *	12, 15, 18, 19, 39, 40, 45, 53, 65, 66	
A	--- US-A-4 320 387 (W.S. POWELL) ---		
A	WO-A-83 03018 (TELEFONAKTIEBOLAGET L.M. ERICSSON) ---		
A	--- EP-A-0 172 670 (TECHNION RESEARCH & DEVELOPMENT FOUNDATION) -----		TECHNICAL FIELDS SEARCHED (Int.Cl.5)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 September 1994	Examiner David, J
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			